

IN THE CLAIMS:

1 1. (Previously Presented) A system for distributing information to a set of desti-
2 nation nodes connected via a communication network comprising:

3 a reporting process in each destination node for generating and transmitting a re-
4 port to a distribution manager, said report containing an identification of said destination
5 node and corresponding destination node parameters, whereby said destination node of-
6 fers to become a participant in a distribution job;

7 said distribution manager connected to said network and configured to receive
8 said reports from said destination nodes and to create a prioritized list of destination
9 nodes selected as participants in a distribution job according to said destination node pa-
10 rameters, said prioritized list being an information source for any later destination node
11 occurring in said list, said distribution manager having a management process for sending
12 information to each participant;

13 said management process adapted to send each participant instructions to obtain a
14 copy of said information either from said distribution manager or from another identified
15 participant, and said management process determines when each participant has received
16 a copy of said information; each participant having a store-and-forward process config-
17 ured to receive instructions from a prior participant or from said distribution manager and
18 to request a copy of said information from said prior participant or from said distribution
19 manager, and to thereafter request further distribution instructions from said distribution
20 manager until instructed that no other participants require said information; whereby each
21 participant obtains a copy of the information and the distribution manager obtains con-
22 firmation that each destination node has obtained said information.

1 2. - 4. (Cancelled)

1 5. (Previously Presented) A method of distributing information to a set of servers
2 connected via a communication network comprising the steps of:

3 obtaining a list of servers desiring to participate in a distribution;
4 prioritizing said list according to parameters associated with each server;
5 issuing instructions to each server in the listed order, said instructions including
6 the identification of a source for obtaining said information and an identification of the
7 next server on the list;

8 distributing said information according to said instructions; and
9 notifying each server when the prioritized list is exhausted in which said steps of
10 issuing instructions and distributing said information further comprise the steps of:

11 (A) obtaining an address of a first server address on said list;

12 (B) sending a notification message containing the address of a second server hav-
13 ing an information file to distribute;

14 (C) requesting a copy of said information from said second server;

15 whereby said copy of said information is sent to each server on said list in an or-
16 der determined according to the order of the list and the transmission time in the network.

1 6. - 11. (Cancelled)

1 12. (Previously Presented) The method of claim 5 further comprising determin-
2 ing a completion status of processing by individual nodes of a group of destination nodes
3 on a multicast data channel, said group having a group leader, comprising the steps of:

4 notifying an assignment processor in at least one of said destination nodes that an
5 assignment has been received for processing;

6 determining completion status of said processing by at least one of said destina-
7 tion nodes;

8 notifying said group leader of said completion status by a message from said at
9 least one destination node such that the group leader acquires a collective indication of
10 status from nodes within said group;

- 11 transmitting a multicast request from said group leader (GL) to nodes in said
- 12 group; and transmitting a request to each non-reporting node.